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CLAIMS

1. A method of recovering a base paper for
gypsum board, which is configured to recover a base paper
5 for gypsum board from a waste material of gypsum board
comprising a gypsum core and the base paper for gypsum
board adhering thereto, characterized by comprising steps
of
 breaking the waste material of gypsum board,
10 separating a gypsum component and a paper piece
of the base paper for gypsum board from the broken waste
material of gypsum board, and
 washing the separated paper piece with water
using a rotary drum-type washing device so as to eliminate
15 a gypsum component adhering to the paper piece.
2. The method of recovering a base paper for
gypsum board as claimed in claim 1 characterized by
further comprising a step of burning the broken waste
20 material of gypsum board or the separated paper piece,
wherein the burning step is provided before the water
washing step.
3. The method of recovering a base paper for
25 gypsum board as claimed in claim 1 characterized by
further comprising a step of dewatering the water-washed
paper piece.
4. The method of recovering a base paper for
30 gypsum board as claimed in claim 1 characterized by
further comprising a step of previously dispersing or
mixing the separated paper piece into a portion of washing
water before the separated paper piece is introduced to

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the rotary drum-type washing device.

5. The method of recovering a base paper for gypsum board as claimed in claim 1, wherein a ratio of a weight of the separated paper piece to a weight of fresh water in the washing water is in a range of 1 : 5 - 1 : 100.

6. The method of recovering a base paper for gypsum board as claimed in claim 5, wherein, in the step of previously dispersing or mixing the separated paper piece into a portion of washing water, a ratio of a weight of the separated paper piece to a weight of the portion of washing water is in a range of 1 : 1 - 1 : 15.

7. The method of recovering a base paper for gypsum board as claimed in claim 3, characterized in that the step of dewatering the paper piece comprises squeezing and dewatering of the water-washed paper piece.

8. An apparatus of recovering a base paper for gypsum board, characterized by comprising
a device configured to break a waste material of gypsum board,
a device configured to separate a burnt gypsum component and a paper piece from the broken waste material of gypsum board,
a rotary drum-type washing device configured to wash the separated paper piece with water so as to eliminate a burnt gypsum component adhering to the paper piece, and
a device configured to dewater the water-washed paper piece.

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9. The apparatus of recovering a base paper for
gypsum board as claimed in claim 8, characterized by
further comprising a device configured to burn the broken
5 waste material of gypsum board.

10. The apparatus of recovering a base paper
for gypsum board as claimed in claim 8, characterized by
further having a device configured to disperse or mix the
10 separated paper piece into water before washing the
separated paper piece with water.

11. The apparatus of recovering a base paper for
gypsum board as claimed in claim 8, characterized in that
15 the dewatering device is a device configured to squeeze
and dewater the water-washed paper piece.